	Application No.	Applicant(s)
Al. 4' All	10/772,959	KIM ET AL.
Notice of Allowability	Examiner `	Art Unit
	Tianjie Chen	2656
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>amendment filed 11/25/2005</u> .		
2. The allowed claim(s) is/are <u>1-5,7-16 and 18-21</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of		
Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informal Page 1	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	Paper No./Mail Dat 8), 7. ⊠ Examiner's Amendn	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	nt of Reasons for Allowance
of biological Material	9. Other	

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gregory Scott Smith on 12/05/2005.

The application has been amended as follows:

- In claim 1, line 11; "create" has been changed to --corresponds to--.
- In claim 1, line 16 has been deleted.
- In claim 10, line 11; "create" has been changed to --corresponds to--.
- In claim 10, line 16 has been deleted.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

• With regard to independent claims 1 and 10; as the closest reference, the

combination of Ikeda et al (US 6,115,213) and Harrison et al (US

2002/0135933) shows a disk drive including a gap collection, wherein the gap

collection member is at most the boundary layer thickness; but fails to show

that the gap collection member is at most three quarters of the boundary layer

thickness.

• Applicant asserts that a significant reduction in disk surface mechanical

fluttering results from reducing the air gap between stationary surfaces facing

the disk surface to about the boundary layer thickness. The inventors have

found that when the air gaps are approximately the boundary layer thickness,

there is improved head positioning. When the air gaps are smaller fractions of

the boundary layer thickness, there are further improvements in head

positioning (p. 3, lines 20-25).

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tianjie Chen whose telephone number is 571-272-

7570. The examiner can normally be reached on 8:00-4:30, Mon-Fri.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER